

## ABSTRACT OF THE DISCLOSURE

The present invention provides a printing system and a printing method that avoids interrupting a printing process in order to execute a calibration process, while stably reproducing colors. A second printer includes a printing engine having a temperature sensor, a density sensor, and a density sensor and a print controller which acquires information from the various sensors in the printing engine to provide calibration process information to a first printer. The print controller includes a density converted characteristic generating section that converts output density values corresponding to density values inputted to the first printer so that the output density values exhibit an ideal characteristic. The density converted characteristic information generating section generates density converted characteristic information. The first printer receives the density converted characteristic information and executes a printing process while carrying out a density conversion.